

INFORMATION DISCLOSURE CITATION FORM FOR PATENT APPLICATION (FORM PTO-1449) (Substitute)		Docket No.: 872.0172.U1(US)	Serial No.:		
		Applicant(s): Wang et al.			
		Filing Date: herewith	Group:		
U.S. PATENT DOCUMENTS					
Examiner Initials	Document Number (Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant	Class	Sub-class
	US- US- US- US- US- US- US- US- US- US- US- US- US-				
FOREIGN PATENT DOCUMENTS					
Examiner Initials	Document Number (Country Code-Number-Kind Code)	Publication Date (MM-DD-YYYY)	Name Of Patentee of Applicant	Translation? Yes/No/n/a	
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OTHER DOCUMENTS (Author (Capitalize), Title, Date, Pages, Etc., if known)					
	<p>J. A. C. Bingham, "Multicarrier modulation for data transmission: An idea whose time has come," <i>IEEE Commun. Mag.</i>, vol. 28, pp. 5-14, May 1990.</p> <p>J. S. Chow, J. C. Tu, and J. M. Cioffi, "A discrete multitone transceiver system for HDSL applications," <i>IEEE J. Select. Areas Commun.</i>, vol.9, pp. 895-908, Aug. 1991.</p> <p>W. Y. Chen and D. L. Waring, "Applicability of ADSL to support video dial tone in the copper loop," <i>IEEE Commun. Mag.</i>, vol. 32, pp.102-109, May 1994.</p> <p>W. Y. Zou and Y. Wu, "COFDM: An overview," <i>IEEE Trans. Broadcast.</i>, vol. 41, pp. 1-8, Mar. 1995.</p> <p>3GPP TR 25.892 v0.1.1 (2003-02), "Technical Specification Group Radio Access Network: Feasibility Study for OFDM for UTRAN Enhancement (Release 6)"</p> <p>J. J. Beek, O. Edfors, M. Sandell, S. K. Wilson, and P. O. Borjesson, "On Channel Estimation in OFDM Systems," IEEE VTC95-Fall, pp.815-819, Chicago, USA, Jul. 1995.</p> <p>O. Edfors, M. Sandell, J. J. Beek, S. K. Wilson, and P. O. Borjesson, "OFDM Channel Estimation by Singular Value Decomposition," IEEE VTC96-Spring, pp.923-927, Atlanta, USA, Apr. 1996.</p> <p>O.Y. Zhao, and A. Huang, "A Novel Channel Estimation Method for OFDM Mobile Communication Systems Based on Pilot Signals and Transform-Domain Processing," IEEE VTC97-Spring, pp.2089-2093, Phoenix, USA, May. 1997.</p>				
Examiner's Signature:			Date Considered:		
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OTHER DOCUMENTS (Author (Capitalize), Title, Date, Pages, Etc., if known)					
	M. Hsieh, and C. Wei, "Channel Estimation Techniques Based on Pilot Arrangement in OFDM Systems," IEEE Transactions on Broadcasting, Vol. 48, No. 3, Sept. 2002.				
	J. Rinne, and M. Renfors, "Pilot Spacing in Orthogonal Frequency Division Multiplexing Systems on Practical Channels," IEEE Transactions on Consumer Electronics, Vol. 42, No. 4, Nov. 1996				
	Sinem Coleri, M. Ergen, A. Puri, and A. Bahai, "Channel Estimation Techniques based on Pilot Arrangement in OFDM Systems," IEEE Transactions on Broadcasting, Vol. 48, No. 3, Sept. 2002. Figure 1. Throughput vs. G in PB3 channel and 16QAM				
	Hlaing Minn, and Vijay K. Bhargava, "An Investigation into Time-Domain Approach for OFDM Channel Estimation", IEEE Transactions on Broadcasting, Vo. 46, No. 4, December 2000,				
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